

Control separation element KLV-XXX-Pex



Control separation element KLV-XXX-PEx is designed for transfer and galvanic separation of control signals from intrinsic safe circuits and non-intrinsic (power) circuits. Because of its robust design, it can be used in applications in underground mines (I). Control separation element KLV-XXX-PEx can be mounted directly to Ex d and Ex e enclosure type through cable bushing type M24x1,5. The whole operating process is based on input voltage measuring on intrinsic safe side and contemporary controls of two relays on non-intrinsic safe side of device. There are three light indicators on the cover of enclosure, which indicates the presence of power supply, state of relay activation and line error.

On input terminals we can connect:

START/STOP key

ON/OFF switch

Inductive proximity sensor (NAMUR)

Thermostat

Specification

Consumption	from 15 mA to 30 mA
Working temperature range	-20°C to +40°C
Relay outlet	non-voltage, 250 VAC/10 A
Mechanical protection	IP55
Dimensions	204 x 75 x 57 mm
Weight	1,5 kg
Cable gland	M20x1,5 (diameter 8 to 12 mm)
Explosion protection	I M2(M1) Ex m [ia] I